

WHAT IS CLAIMED:

1 1. A palatable viscous carrier for ingestible substances subject to degradation by
2 environmental factors such as oxidation, hydrolysis, or low pH comprising in weight percent
3 based upon the weight of the palatable viscous carrier:

4 from 45% to 55% vegetable oil;

5 from 1% to 5% fish oil; and

6 from 0.25% to 1.0% exogenous antioxidants.

1 2. The carrier as claimed in claim 1, in which the vegetable oil comprises one or more
2 substances selected from a group consisting of canola oil, helianthus annus oil, hydrogenated
3 vegetable oil, borage seed oil, evening primrose oil, avocado oil, sweet almond oil, canola oil,
4 grape seed oil, jojoba oil, apricot kernal oil, safflower oil, sesame oil, hybrid safflower oil,
5 soybean oil, sunflower seed oil, and macadamia nut oil.

1 3. The carrier as claimed in claim 1, in which the fish oil comprises one or more substances
2 selected from a group consisting of cod liver oil, tuna oil, salmon oil, and sardine oil.

1 4. The carrier as claimed in claim 1, in which the exogenous antioxidant comprises
2 tocopherol.

1 5. The carrier as claimed in claim 4, in which the tocopherol comprises one or more
2 substances selected from a group consisting of alpha tocopherol, beta tocopherol, gamma
3 tocopherols and delta tocopherols.

1 6. The carrier as claimed in claim 1, further comprising one or more substances selected
2 from a group consisting of flavoring, plant extracts, starches, hydrophobic polyols, and coloring
3 agents.

1 7. A palatable probiotic ingestible food supplement in a viscous carrier, the food
2 supplement comprising in weight percent based upon the weight of the palatable probiotic
3 ingestible food supplement:

4 from 45% to 55% vegetable oil;

5 from 1% to 5% fish oil; and

6 from 0.25% to 1.0% exogenous antioxidants; and

7 from 0.1% to 5% probiotic ingredients.

1 8. The food supplement as claimed in claim 7, in which the vegetable oil comprises one or
2 more substances selected from a group consisting of canola oil, helianthus annus oil,
3 hydrogenated vegetable oil, borage seed oil, evening primrose oil, avocado oil, sweet almond oil,
4 canola oil, grape seed oil, jojoba oil, apricot kernal oil, safflower oil, sesame oil, hybrid
5 safflower oil, soybean oil, sunflower seed oil, and macadamia nut oil.

1 9. The food supplement as claimed in claim 7, in which the fish oil comprises one or more
2 substances selected from a group consisting of cod liver oil, tuna oil, salmon oil, and sardine oil.

1 10. The food supplement as claimed in claim 7, in which the exogenous antioxidant
2 comprises tocopherol.

1 11. The food supplement as claimed in claim 10, in which the tocopherol comprises one or
2 more substances selected from a group consisting of alpha tocopherol, beta tocopherol, gamma
3 tocopherols, and delta tocopherols.

1 12. The food supplement as claimed in claim 7, further comprising one or more substances
2 selected from a group consisting of flavoring, plant extracts, starches, hydrophobic polyols, and
3 coloring agents.

1 13. The food supplement as claimed in claim 7, in which the probiotic ingredients comprise
2 one or more substances selected from a group consisting of freeze-dried probiotic
3 microorganisms, antibiotics, oil soluble, and water soluble vitamins, enzymes, salts of bioactive
4 ingredients and polysacharides.

1 14. The food supplement as claimed in claim 7, further comprising papain.

1 15. The food supplement as claimed in claim 17, in which the probiotic ingredients is one or
2 more substances selected from a group consisting glucosamine hydrochloride, glucosamine
3 sulfate, and chondroitin sulfate.

1 16. The food supplement as claimed in claim 7, further comprising fructooligosaccharides.

1 17. The food supplement as claimed in claim 7, in which the probiotic ingredients comprise
2 microorganisms.

1 18. The food supplement as claimed in claim 17, in which the microorganisms comprise one
2 or more selected from a group consisting of lactobacillus acidophilus, lactobacillus rhamnosus,
3 enterococcus faecium, lactobacillus helveticus, and lactobacillus plantarum lactobacillus
4 acidophilus, lactobacillus rhamnosus, and lactobacillus plantarum.

1 19. A method for delivering probiotic substances utilized in dietary supplements to an
2 intestinal tract, the method comprising the steps of:

3 heating and mixing natural occurring ingestible oils comprising vegetable oils and
4 fish oils until a resulting mixture is clear and homogeneous;
5 cooling said resulting mixture to a viscous state and to a temperature that will not
6 harm the probiotic substances;

7 adding the probiotic substances to the cooled mixture and mixing such that the
8 probiotic substances are coated with the cooled mixture whereby an ingestible, viscous
9 dietary supplement is produced.

1 20. The method as claimed in claim 19, in which the vegetable oils are selected from a group
2 consisting of canola oil, helianthus annus oil, hydrogenated vegetable oil, borage seed oil,
3 evening primrose oil, avocado oil, sweet almond oil, canola oil, grape seed oil, jojoba oil, apricot
4 kernal oil, safflower oil, sesame oil, hybrid safflower oil, soybean oil, sunflower seed oil, and
5 macadamia nut oil.

1 21. The method as claimed in claim 19, in which the fish oils comprise one or more
2 substances selected from a group consisting of cod liver oil, tuna oil, salmon oil, and sardine oil.

1 22. The method as claimed in claim 19, further comprising the step of adding one or more
2 substances selected from a group consisting of flavoring, plant extracts, starches, hydrophobic
3 polyols, and coloring agents.

1 23. The method as claimed in claim 19, in which the probiotic substances comprise one or
2 more substances selected from a group consisting of freeze-dried probiotic microorganisms,
3 antibiotics, oil soluble, and water soluble vitamins, enzymes, salts of bioactive ingredients, and
4 polysaccharides.

1 24. The method as claimed in claim 19, in which the probiotic substances comprise one or
2 more substances selected from a group consisting glucosamine hydrochloride, glucosamine
3 sulfate, and chondroitin sulfate.

1 25. The method as claimed in claim 19, in which the probiotic substances comprise one or
2 more microorganisms selected from a group consisting of lactobacillus acidophilus, lactobacillus
3 rhamnosus, enterococcus faecium, lactobacillus helveticus, and lactobacillus plantarum
4 lactobacillus acidophilus, lactobacillus rhamnosus, and lactobacillus plantarum.